

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.
14-R-0017

CUSTOMER NO.
112

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

BOSTON UNIVERSITY
5 CUMMINGTON STREET
BOSTON, MA 02215
(617) 353-2463

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3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (sites)

See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets, if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	2	0	7	See Addendum Attached (PTO)	7
7. Hamsters					3
8. Rabbits	0	3	0		
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Ferrets	0	0	34	1	35
Bats	0	842	50		892
Gerbils	15	8	20		28

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

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DATE SIGNED

11/28/06

HEADQUARTERS

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Boston University

Charles River Campus
Institutional Animal Care
and Use Committee
5 Cummington Street
Boston, Massachusetts 02215



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Professor of Biology

IACUC Chairman

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IACUC Administrator

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USDA Annual Report -2006

Boston University - Charles River Campus
5 Cummington Street
Boston, MA 02215
Registration No. : 14-R-0017

Addendum: Column "E" explanation:

1. **Institution Registration Number:** USDA Number 14-R-0017 - Boston University - Charles River Campus

2. **Number of animals used in this study:** 1

3. **Species (common name) of animals used in the study:** Ferret

4. **Explain the procedure producing pain and/or distress:**

Procedure: Electrolytic lesion aimed at the preoptic part of the brain. This procedure was conducted under anesthesia, using aseptic technique. The animal received butorphanol (analgesic) and subcutaneous fluids post-operatively, and was observed to regain sternal recumbency. It is assumed that because the animal died spontaneously (i.e., without being euthanized), it experienced some level of unalleviated pain and distress.

5. **Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see Item 6 below):**
The probable pain and distress that the animal experienced was unintentional, and proper anesthetics and analgesics were provided to relieve intra- and post-operative pain. Post-operative care procedures were followed, and had the animal appeared moribund, it would have been euthanized. Unfortunately, the animal died prior to any opportunity for intervention. This was an unexpected severe consequence of the surgical procedure. (Please note that 8 ferrets successfully recovered from the procedure, and they are classified in Category D.)

6. **What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (eg. APHIS, 9 CFR 113.102):** N/a

Agency _____ CFR _____